

US Serial No. 10/525291
Page 2 of 14

In the Claims:

- 1.(currently amended) A hard surface treatment composition which provides a cleaning and disinfecting benefit comprising:
- an acidic constituent which comprises an acid selected from the group consisting of: citric acid, sorbic acid, acetic acid, boric acid, formic acid, maleic acid, adipic acid, lactic acid, malic acid, malonic acid, glycolic acid, and mixtures thereof;
 - at least one anionic surfactant constituent;
 - at least one nonionic surfactant constituent;
 - at least one organic solvent constituent;
 - optionally one or more further constituents selected from coloring agents, fragrances and fragrance solubilizers, viscosity modifying agents, pH adjusting agents and pH buffers including organic and inorganic salts, optical brighteners, opacifying agents, hydrotropes, antifoaming agents, enzymes, anti-spotting agents, anti-oxidants, preservatives, and anti-corrosion agents;
 - and the balance, water
- characterized in that:
- cationic quaternary ammonium compounds known to be effective against gram positive and/or gram negative type pathogenic bacteria, other known-art antimicrobial constituents including as non-cationic phenolic based antimicrobials ~~e.g., mono and poly-alkyl and aromatic halophenols;~~ para-chloro-meta-xyleneol;, resorcinol and derivatives thereof; bisphenolic compounds ~~such as 2,2'-methylene bis-(4-chloro-6-bromophenol);~~ halogenated carbanilides ~~such as 3,4,4'-trichlorocarbanilides (Triclocarban);~~ 2-hydroxydiphenyl compounds ~~such as Triclosan;~~ parabens ~~such as propylparaben;~~ pyrithiones; hydantoin compounds ~~such as dimethyldimethylol-hydantoin;~~ iodophors and bleach are excluded.
- 2.(original) A composition according to claim 1 wherein the acid constituent consists essentially of an acid selected from the group consisting of: citric acid, sorbic

US Serial No. 10/525291

Page 3 of 14

acid, acetic acid, boric acid, formic acid, maleic acid, adipic acid, lactic acid, malic acid, malonic acid, glycolic acid, and mixtures thereof.

- 3.(previously presented) A composition according to claim 1 wherein the organic solvent is selected from alcohols, glycols, water miscible ethers, water miscible glycol ethers, monalkylether esters, and mixtures thereof.
- 4.(previously presented) The composition according to claim 3 wherein the organic solvent is selected from alcohols, water miscible glycol ethers and mixtures thereof.
- 5.(previously presented) A composition according to claim 4 wherein the organic solvent is an alcohol.
- 6.(previously presented) A composition according to claim 5 wherein the organic solvent is ethanol.
- 7.(previously presented) A composition according to claim 1 wherein the pH is from about 1 to about 5.
- 8.(previously presented) A composition according to claim 7 wherein the pH is from about 1 to 4.
- 9.(previously presented) A composition according to claim 8 wherein the pH is from about 1 to about 3.
- 10.(original) A composition according to claim 4 wherein the organic solvent is a mixture of an alcohol and a water miscible glycol ether.

US Serial No. 10/525291
Page 4 of 14

- 11.(previously presented) A composition according to claim 10 wherein the organic solvent is mixture of ethanol and water miscible glycol ether to the exclusion of other organic solvents.
- 12.(previously presented) A composition according to claim 10 wherein the pH is from about 1 to about 5.
- 13.(previously presented) A composition according to claim 12 wherein the pH is from about 1 to 4.
- 14.(previously presented) A composition according to claim 13 wherein the pH is from about 1 to about 3.
- 15.(previously presented) A composition according to claim 1 wherein the anionic surfactant is a sulfonate.
- 16.(canceled)
17. (canceled)
- 18.(previously presented) A method of treating a hard surface comprising applying an effective amount of a composition according to claim 1 to the surface in need of treatment.
- 19.(previously presented) A composition according to claim 2 wherein the acid constituent consists essentially of an acid selected from the group consisting of: citric acid in the absence of further organic acids, or a mixture of citric acid and lactic acid in the absence of further organic acids.

US Serial No. 10/525291

Page 5 of 14

20(previously presented) A composition according to claim 1 wherein the composition achieves a log reduction of at least 6 for a 5 minute contact time according to the Quantitative Surface Test of the prEN 13697 protocol against one or more of the challenge organisms: *Staphylococcus aureus* (ATTC 6538); *Escherichia coli* (ATCC 10536) *Enterococcus hirae* (ATCC 10541) and *Pseudomonas aeruginosa* (ATCC 15442).

21.(currently amended) A hard surface treatment composition which provides a cleaning and disinfecting benefit comprising:

an acidic constituent which comprises an acid selected from the group consisting of: citric acid, sorbic acid, acetic acid, boric acid, formic acid, maleic acid, adipic acid, lactic acid, malic acid, malonic acid, glycolic acid, and mixtures thereof;

at least one anionic surfactant constituent;

at least one nonionic surfactant constituent;

at least one organic solvent constituent;

optionally one or more further constituents selected from coloring agents, fragrances and fragrance solubilizers, viscosity modifying agents, pH adjusting agents and pH buffers including organic and inorganic salts, optical brighteners, opacifying agents, hydrotropes, antifoaming agents, enzymes, anti-spotting agents, anti-oxidants, preservatives, and anti-corrosion agents; and the balance, water,

characterized in that:

cationic quaternary ammonium compounds known to be effective against gram positive and/or gram negative type pathogenic bacteria, other known-art antimicrobial constituents including as non-cationic phenolic based antimicrobials e.g., ~~mono- and poly-alkyl and aromatic halophenols~~; para-chloro-meta-xyleneol; resorcinol and derivatives thereof; bisphenolic compounds ~~such as 2,2'-methylene bis (4-chloro-6-bromophenol)~~; halogenated carbanilides ~~such as 3,4,4'-trichlorocarbanilides (Tricleoaban)~~; 2-hydroxydiphenyl compounds ~~such as~~

US Serial No. 10/525291
Page 6 of 14

~~Triclosan~~; parabens ~~such as propylparaben~~; pyrrithiones; hydantoin compounds ~~such as dimethyldimethylol hydantoin~~; iodophors and bleach are excluded

22.(previously presented) A composition according to claim 21, wherein the organic solvent constituent consists of an alcohol and a water miscible glycol ether to the exclusion of other organic solvents.

23.(currently amended) A hard surface treatment composition according to claim 1 which provides a cleaning and disinfecting benefit consisting essentially of:

an acidic constituent which comprises an acid selected from the group consisting of: citric acid, sorbic acid, acetic acid, boric acid, formic acid, maleic acid, adipic acid, lactic acid, malic acid, malonic acid, glycolic acid, and mixtures thereof;

at least one anionic surfactant constituent;

at least one nonionic surfactant constituent;

at least one organic solvent constituent;

optionally one or more further constituents selected from coloring agents, fragrances and fragrance solubilizers, viscosity modifying agents, pH adjusting agents and pH buffers including organic and inorganic salts, optical brighteners, opacifying agents, hydrotropes, antifoaming agents, enzymes, anti-spotting agents, anti-oxidants, preservatives, and anti-corrosion agents; and the balance, water, characterized in that:

cationic quaternary ammonium compounds known to be effective against gram positive and/or gram negative type pathogenic bacteria, other known-art antimicrobial constituents including ~~as non-cationic~~ phenolic based antimicrobials ~~e.g., mono and poly alkyl and aromatic halophenols~~; para-chloro-meta-xyleneol; resorcinol and derivatives thereof; bisphenolic compounds ~~such as 2,2'-methylene bis-(4-chloro-6-bromophenol)~~; halogenated carbanilides ~~such as 3,4,4'-trichlorocarbanilides (Triclocarban)~~; 2-hydroxydiphenyl compounds ~~such as~~

US Serial No. 10/525291
Page 7 of 14

~~Triclosan~~; parabens ~~such as propylparaben~~; pyrrithiones; hydantoin compounds ~~such as dimethyldimethylol hydantoin~~; iodophors and bleach are excluded.

22.(previously presented) A composition according to claim 23, wherein the organic solvent constituent consists of an alcohol and a water miscible glycol ether to the exclusion of other organic solvents.

23.(currently amended) A hard surface treatment composition according to claim 1 which provides a cleaning and disinfecting benefit consisting solely of:

an acidic constituent which comprises an acid selected from the group consisting of: citric acid, sorbic acid, acetic acid, boric acid, formic acid, maleic acid, adipic acid, lactic acid, malic acid, malonic acid, glycolic acid, and mixtures thereof;

at least one anionic surfactant constituent;

at least one nonionic surfactant constituent;

at least one organic solvent constituent;

optionally one or more further constituents selected from coloring agents, fragrances and fragrance solubilizers, viscosity modifying agents, pH adjusting agents and pH buffers including organic and inorganic salts, optical brighteners, opacifying agents, hydrotropes, antifoaming agents, enzymes, anti-spotting agents, anti-oxidants, preservatives, and anti-corrosion agents; and the balance, water,

characterized in that:

cationic quaternary ammonium compounds known to be effective against gram positive and/or gram negative type pathogenic bacteria, other known-art antimicrobial constituents including ~~as non-cationic phenolic based antimicrobials e.g., mono and poly alkyl and aromatic halophenols; para-chloro-meta-xenol; resorcinol and derivatives thereof; bisphenolic compounds such as 2,2'-methylene bis (4-chloro-6-bromophenol); halogenated carbanilides such as 3,4,4'~~

US Serial No. 10/525291
Page 8 of 14

~~trichlorocarbanilides (Triclocarban); 2-hydroxydiphenyl compounds such as~~
~~Triclosan; parabens such as propylparaben; pyrithiones; hydantoin compounds~~
~~such as dimethyldimethylol hydantoin; iodophors and bleach are excluded~~

24.(previously presented) A composition according to claim 23, wherein the organic solvent constituent consists of an alcohol and a water miscible glycol ether to the exclusion of other organic solvents.

25.(new) A hard surface treatment composition according to claim 1 which further provides an antifungal benefit.